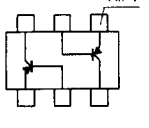
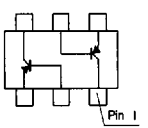
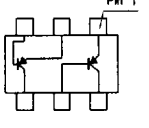
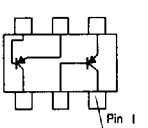
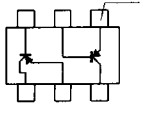
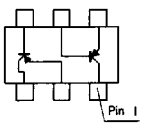
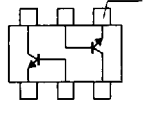
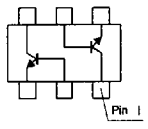
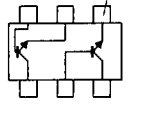
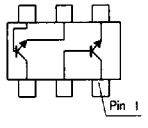
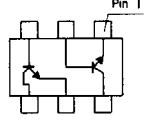
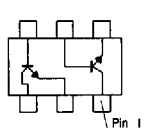
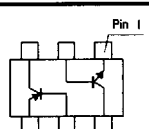
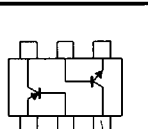
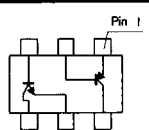
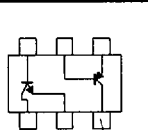
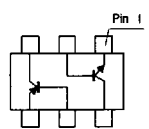
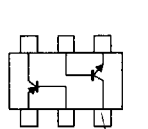


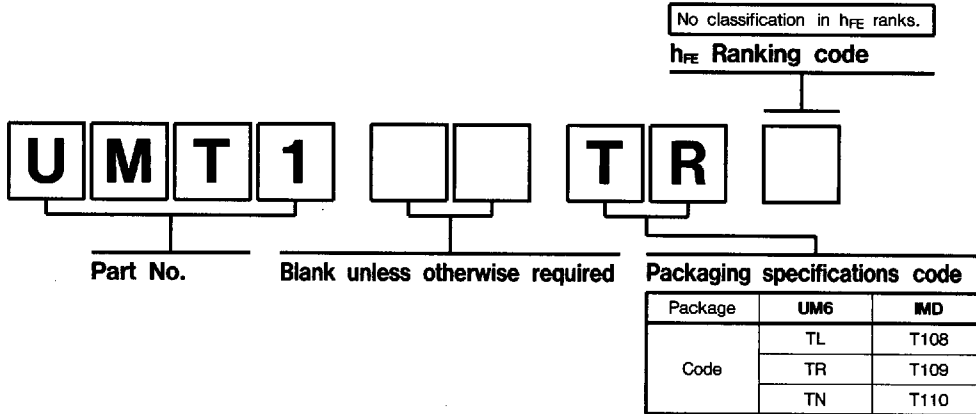
UM6 and IMD packages contain two independent transistors in one small surface mount package.

## UM6 · IMD (6 pin type including independent 2 circuits)

Equivalent circuit		Application	Package		Equivalent product	V <sub>CEO</sub> (V)	I <sub>c</sub> (mA)	h <sub>FE</sub>	V <sub>CE</sub> (V)	I <sub>c</sub> (mA)
TOP VIEW			UM6	IMD						
UM6	IMD		Part No.							
		Pre Amp	UMT1	IMT1A	2SA1037AK × 2	-40	-100	120~	-6	-1
			-	IMT5A	2SA1037AK × 2	-25	-100	390~	-6	-1
		Pre Amp	UMT2	IMT2A	2SA1037AK × 2	-40	-100	120~	-6	-1
		Pre Amp	UMT3	IMT3A	2SA1037AK × 2	-40	-100	120~	-6	-1
			-	IMT4	2SA1514K × 2	-120	-50	180~	-6	-2
		Pre Amp	UMX1	IMX1	2SC2412K × 2	40	100	120~	6	1
			-	IMX7	2SC2411K × 2	32	500	82~390	3	100
			-	IMX9	2SD2114K × 2	20	500	560~2700	3	10
		Pre Amp	UMX2	IMX2	2SC2412K × 2	40	100	120~	6	1
			UMX6	IMX6	2SC2413K × 2	25	50	56~	6	1
		Pre Amp	UMX3	IMX3	2SC2412K × 2	40	100	120~	6	1
			-	IMX8	2SC3906K × 2	120	50	180~	6	2
		TV Tuner	UMX4	IMX4	2SC3837K × 2	18	50	56~180	10	10
		Mix. Osc.	UMX5	IMX5	2SC3838K × 2	11	50	56~180	10	5
		Switching	UMX11	IMX11	2SC2059K × 2	20	20	39~180	6	1
		Pre Amp	UMZ1	IMZ1A	2SA1037AK	-40	-100	120~	-6	-1
					2SC2412K	40	100	120~	6	1
		Pre Amp	UMZ2	IMZ2A	2SA1037AK	-40	-100	120~	-6	-1
					2SC2412K	40	100	120~	6	1
		Pre Amp	-	IMZ3A	2SA1037AK	-25	-100	390~	-6	-1
					2SD2226K	50	100	820~2700	5	1

●Product Designation

Specify part No., packaging specification code and h<sub>FE</sub> ranking code.



(Unit : mm)

Package	UM6	IMD (SOT-36)
Dimensions	<p style="font-size: small;">Each lead has same dimensions</p>	<p style="font-size: small;">Each lead has same dimensions</p>
	Actual size	Enlarged (×3.0)
	Actual size	Enlarged (×3.0)

●Packaging

Package	Packaging type	Packaging style	Direction	Code	Quantity /Package (pcs)	Quantity /Unit (pcs)
UM6	Taping	Embossed reel tape	Pin 1 side on sprocket hole side	TL	3,000	-
			Pin 1 mark side opposite of sprocket hole side	TR		
			Non-directional	TN		
IMD	Taping	Embossed reel tape	Pin 1 mark side opposite of sprocket hole side	T108	3,000	-
			Pin 1 side on sprocket hole side	T109		
			Non-directional	T110		

●Packaging Specifications

(Unit : mm)

UM6	IMD																																	
<p>Reel</p>	<p>Tape</p> <table border="1" style="margin-bottom: 10px;"> <thead> <tr> <th rowspan="2">Package</th> <th colspan="3">Size</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>UM6</td> <td>2.2±0.1</td> <td>2.4±0.1</td> <td>1.15±0.1</td> </tr> <tr> <td>IMD</td> <td>3.1±0.1</td> <td>3.2±0.1</td> <td>1.35±0.1</td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <table border="1" style="font-size: x-small;"> <tr><th>Package</th><th>Code</th></tr> <tr><td>UM6</td><td>TL</td></tr> <tr><td>IMD</td><td>T109</td></tr> </table> <table border="1" style="font-size: x-small;"> <tr><th>Package</th><th>Code</th></tr> <tr><td>UM6</td><td>TR</td></tr> <tr><td>IMD</td><td>T108</td></tr> </table> <table border="1" style="font-size: x-small;"> <tr><th>Package</th><th>Code</th></tr> <tr><td>UM6</td><td>TN</td></tr> <tr><td>IMD</td><td>T110</td></tr> </table> </div>	Package	Size			A	B	C	UM6	2.2±0.1	2.4±0.1	1.15±0.1	IMD	3.1±0.1	3.2±0.1	1.35±0.1	Package	Code	UM6	TL	IMD	T109	Package	Code	UM6	TR	IMD	T108	Package	Code	UM6	TN	IMD	T110
Package	Size																																	
	A	B	C																															
UM6	2.2±0.1	2.4±0.1	1.15±0.1																															
IMD	3.1±0.1	3.2±0.1	1.35±0.1																															
Package	Code																																	
UM6	TL																																	
IMD	T109																																	
Package	Code																																	
UM6	TR																																	
IMD	T108																																	
Package	Code																																	
UM6	TN																																	
IMD	T110																																	