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		HETHER IN WHOLE OR IN PART CAN BE REPRODUCED ITHOUT THE EXPRESS WRITTEN CONSENT OF SPC ECHNOLOGY.		DCP #	REV	DESCRIPTION		DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
				1885	A		RELEASED		BYF	02/03/06	но	2/6/06	JWM	2/6/06	
	SPC-F005	.DWG													
<b>Description</b> : Plastic, PNP, Silicon power audio amplifier and low cu				ned fo	or low	v		B	F				Rol-	IS npliant	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$					BASI	3 ( E							m Min 10.80 2.41 0.51 2.92	Max 11.05 7.75 2.67 0.66	
Parameter	Symbol	Te	st Conditions	Min	Max	Unit			v			E			
OFF Characteristics									*			J	0.38	0.64	
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEC</sub>	$I_{\rm C} = 10 {\rm mA}, I_{\rm B} = 0$		80	_	V			K			ŀ		16.64	
Collector Cut-Off Current	I <sub>CBO</sub>	$V_{CB} = 100V, I_E = 0$		_	0.1	иA						N		-	
Emitter Cut-Off Current	I <sub>EBO</sub>	$V_{EB} = 7V, I_C = 0$		-	0.1	μA								-	
ON Characteristics	-280	LD			0.1							F		-	
DC Current Gain		$V_{CE} = 1V, I_{C} = 100$	mA	50	250									-	
	h <sub>FF</sub>		$V_{CE} = 1V, I_C = 500 \text{ mA}$		- 250	_				-	Ц			_	
	19E	$V_{CE} = 1V, I_C = 1.5A$		30		-		-+  +	D	J —	-	·	1.02		
				12	-	-				-					
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	$I_{c} = 500$ mA, $I_{B} = 50$ mA		-	0.3	V		G	1 1						
		$I_{C} = 1.5A$ , $I_{B} = 150mA$		-	0.9	V			<u> </u>	-					
				-	1.7	V			Ϋ́ C	;					
Base-Emitter Saturation Voltage	V	$I_{\rm C} = 1.5$ A, $I_{\rm B} = 150$ mA		-	1.5	V			_ +	-		6			
	V <sub>BE(sat)</sub>	$I_{\rm C}$ = 3A, $I_{\rm B}$ = 600MA			2	V					1		32	7	
Base-Emitter On Voltage	V <sub>BE(on)</sub>	$I_{C} = 500 \text{ mA}, V_{CE} = 1$	/	-	1.2	V	STYLE	1			$\leq$		1 States	J	
Small-Signal Characteristics		_					PIN 1.	EMITTER			$\gg$	$\gg$	/		
Current Gain-Bandwidth Product (Note 1)	f <sub>T</sub>	$V_{\text{CE}}$ = 10V , $I_{\text{C}}$ = 10	0mA, f = 10MH;	z 50	-	MHz	2.	COLLECTOR BASE				2/	-		
Output Capacitance	C <sub>obo</sub>	$V_{CB}$ = 10V, $I_E$ = 0, f	= .1MHz	-	60	рF	5.		ļ	//					
Note 1, $f_T = h_{FE} f_{TEST}$								ΨĮ	-						
	Iτ	OLERANCES:	DRAWN BY:	RAWN BY:		TE:	DRAWING TITLE:								
DISCLAIMER: ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.		UNLESS OTHERWISE BASAM YOU			02/0			wer Transistor, S		n, Plas	stic, T	0-126	РК, Ρ	NP	
		SPECIFIED,	CHECKED BY:		DATE:		SIZE DWG. NO.		I		ELECTRONIC FILE		REV		
		DIMENSIONS ARE	HISHAM ODISH	1		/06								1 .	
				APPROVED BY:		700 TE:	A	MJE172			01H0844.DWG		A		
		PURPOSES ONLY. APPROVE			2/6/06		SCALE: NTS	U.O.N	U.O.M.: MILLIMETERS		SHEET: 1 OF			DF 1	
					2/0/00			I							

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