

Features

- Lead free
- RoHS compliant*
- 8 RC filters with common ground
- Stable thin-film-on-silicon technology
- Ultra-miniature packages to JEDEC standards

Applications

- EMI/RFI filtering on bus lines
- High frequency applications
- Ideal for space-constrained applications

Thin Film on Silicon 2CFA Tapped RC Filter

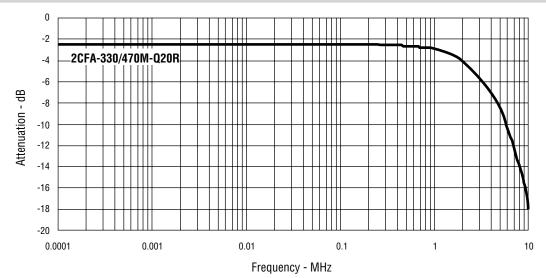
General Information

Tapped Filters are typically used for filtering EMI and RFI on high-speed data lines connecting computer with peripheral. These Silicon-based, Tantalum Nitride resistors and capacitors feature excellent stability, temperature coefficients and tracking performance. This product series conforms to JEDEC standards.

Electrical & Environmental Characteristics

Electrical Characteristics	Symbol	Minimum	Nominal	Maximum	Unit
Resistance Range	R	10		470	Ω
Resistor Tolerance			±10 %		Ω
Power Rating per Resistor @ 70 °C				0.1	Watt
Capacitor Range	C	15		220	pF
Capacitor Tolerance			±20 %		pF
Capacitor Breakdown Voltage		25	35		V
Operating Voltage				50	V
Environmental Characteristics					
ESD		2 K			V
Operating Temperature	TJ	-55		+125	°C
Storage Temperature	T _{stg}	-65		+150	°C
Power Rating per Package @ 70 °C	9			1.0	Watt

Frequency Response



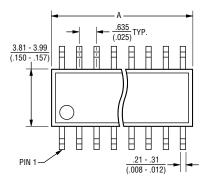
^{*}RoHS Directive 2002/95/EC Jan 27 2003 including Annex Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

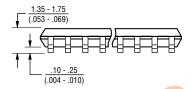
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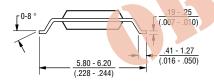
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Mechanical Characteristics

QSOP Package Dimensions





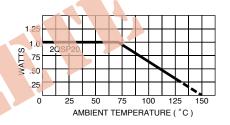


Model	Α			
2QSP20	8.56 - 8.74 (.337344)			

Governing dimensions are in mm. Dimensions in parentheses are in inches and are approximate.

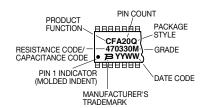
JEDEC Reference Number MO-137.

QSOP Package Power Temperature Derating Curve



Typical Part Marking

Represents total content. Layout may vary.



Standard RC Values

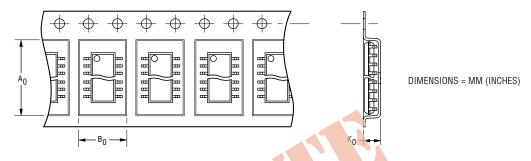
R1 Value (ohms)	C1 Value (pF)	Cap. BV (typ.)	Part Number (Tape & Reel)	Part Number (Tubes)
33	47	75	2CFA-330/470M-Q20R	2CFA-330/470M-Q20T

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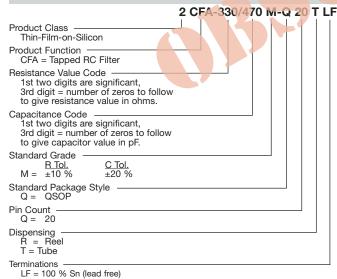
Dispensing

For large quantities, the product will be dispensed in Tape and Reel (see diagram below).



Package	Α ₀	В ₀	К ₀	Width	Pitch	No. of Pieces per 13 reel	No. of Pieces per tube
QSOP 20 Pin	6.5 (0.256)	9.0 (0.354)	2.1 (0.083)	16 (0.630)	8 (0.315)	3,500	56

How To Order





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