

Features

- High power density
- Can withstand ITU-T K.20, K.21 and K.45 basic test requirements
- RoHS compliant*

Applications

- Telecom ports designed for Metallic Ended Line Test (MELT) functionality
- ADSL and VDSL2 telecom ports
- Telecom line test equipment

CRM2512-FT Series Power Resistor

Electrical Characteristics

Characteristic	CRM2512-FT		
Power	2 W		
Resistance	10K to 1M Ohms (E24)		
Working Voltage	300 V		
Short Time Overload Voltage	600 V		
Operating Temperature Range	-55 °C to +155 °C		
TCR	±100 PPM/°C		
Surge Characteristics (Per ITU-T K.20, K.21 and K.45 Test Requirements) Wave Shape Overvoltage	10/700 1.5 KV ±5 pulses 600 Vrms, 600 ohms, 0.2 seconds		

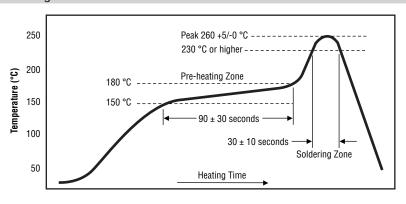
Recommended Solder Pad Layout



DIMENSIONS: $\frac{MM}{(INCHES)}$

Model	Α	В	L
CRM2512-FT	3.7 (0.146)	<u>2.45</u> (0.096)	<u>2.7</u> (0.106)

Soldering Profile



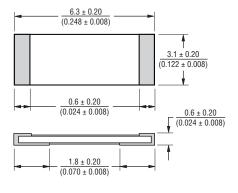
General Information

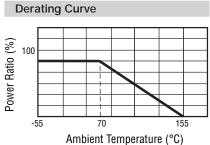
The Model CRM2512-FT is a power resistor rated to 2 watts continuous power in a small 2512 size package. It can withstand ITU-T K.20, K.21 and K.45 basic test requirements and is aimed at telecom applications.

Characteristic Data

Test	∆R Max.
Load Life (1000 hours)	< 1 %
Short Term Overload	< 1 %
Thermal Shock	< 0.5 %
600 Vrms, 600 Ohms, 0.2 Seconds, 5 Applications (R>20K)	< 1 %
600 Vrms, 600 Ohms, 0.1 Seconds, 5 Applications (R<20K)	< 1 %
10/700 1.5 kV, ±5 Applications	< 1 %

Product Dimensions



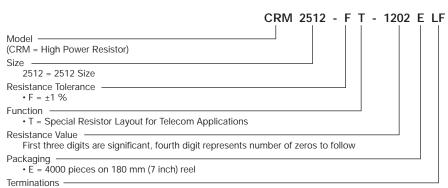




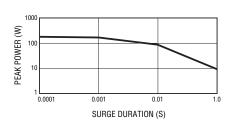
CRM2512-FT Series Power Resistor

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How to Order

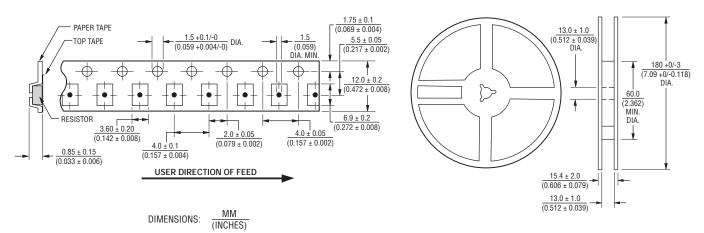


Pulse Load Characteristics



• LF = Tin-plated (RoHS Compliant)

Packaging Dimensions (Conforms to EIA RS-481A)



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REV. 09/19

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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