

ATTENUATOR

TS06XXF SMT 200 mW



DATA SHEET

PART SERIES: TS06XXF- DKIT

SHEET 1 OF 4
Dwg 1015775

EN 16-1189
Revision -

FEATURES

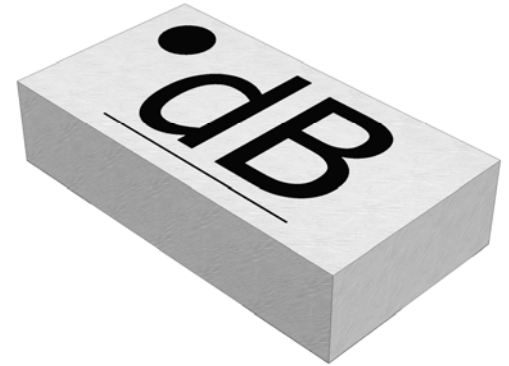
- Small Footprint
- High Power
- Surface Mount
- Low VSWR
- Easy Installation
- Wide Attenuation Offering

APPLICATIONS

- Mobile Networks
- Broadcast
- High Power Amplifiers
- Isolators/Circulators
- Military
- Instrumentation

GENERAL DESCRIPTION

EMC Technology offers the widest selection of chip attenuators worldwide. Chip components are offered in Alumina, Aluminum Nitride, Beryllium Oxide, and CVD diamond for maximum performance.



ORDERING INFORMATION

Part Identifier: **TS06XXF-DKIT**

The kit contains 10 pieces of each of the following:

TS0600F TS0601F TS0602F TS0603F TS0604F TS0605F TS0606F TS0610F
TS0612F TS0620F

TS06XXF
| | | | | | |
RoHS Compliant
Attenuation
Value (dB)

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 20 GHz
Attenuation Values Available:	0 – 20 dB (See Table)
Attenuation Accuracy:	See Table
Input Power CW:	200 mW
Peak Power:	2 W (based on 1 μ s pulse width, 1% duty cycle)
VSWR:	See Table

Attenuation Value (dB)	Attenuation Accuracy (dB)		VSWR (x:1 Typical*)	
	DC – 10 GHz	10 – 20 GHz	DC – 10 GHz	10 – 20 GHz
0	CONTINUITY ONLY			
1 - 9	± 0.50	± 0.50	1.25:1	1.35:1
10 - 20	± 0.75	± 1.00	1.25:1	1.35:1

*For Actual Measurements See Website

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PART SERIES: TS06XXF- DKIT

SHEET 2 OF 4
Dwg 1015775

EN 16-1189
Revision -

2.0 ENVIRONMENTAL

Operating Temperature: -55°C to +150°C
Non-operating Temperature: -65°C to +150°C
Temperature Coefficient: +/-200 PPM / °C max

3.0 MARKING

Unit Marking: dB Value and Alignment Dot

4.0 QUALITY ASSURANCE

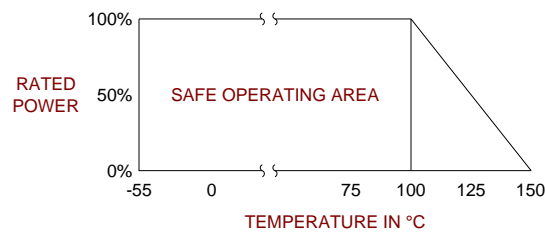
Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.
Visual and Mechanical Examination for Conformance to Outline Drawing
Measure DC Resistance and RF
Data Retention – Standard

5.0 PACKAGING

Standard Packaging: Tape and Reel

6.0 MECHANICAL

Substrate Material: Alumina
Resistive Film: Tantalum nitride
Terminal Material: Solderable Gold over Nickel
Protective Coating: Silicon Nitride
Metric Dimensions: Provided for reference only



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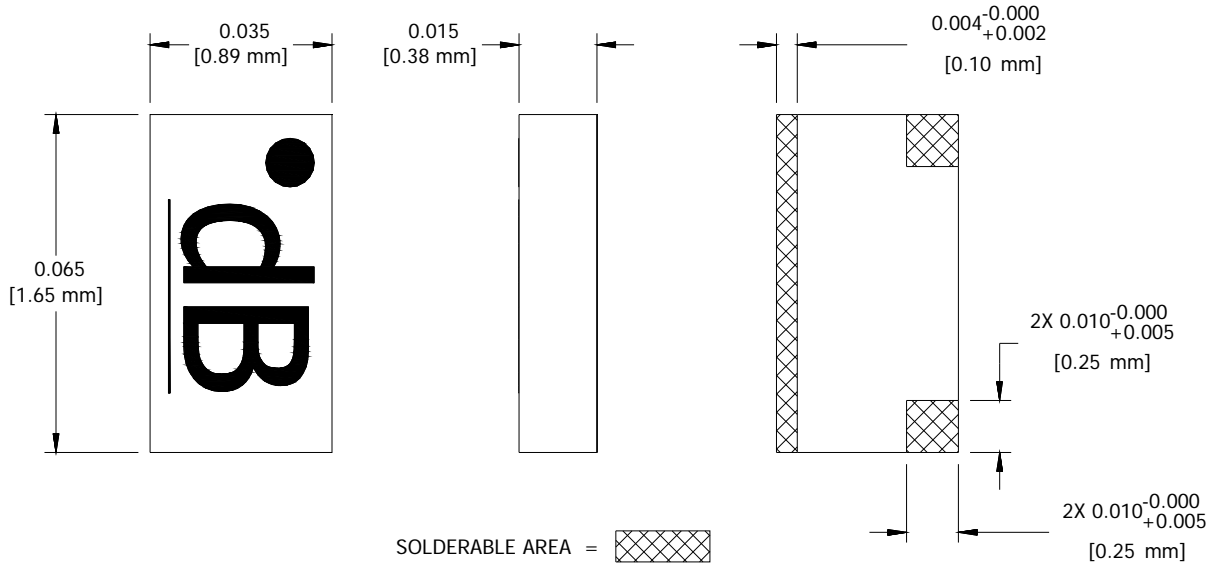


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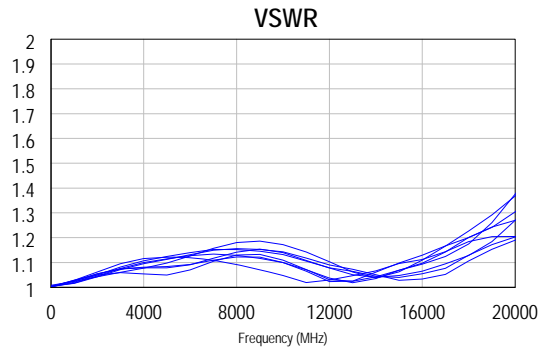
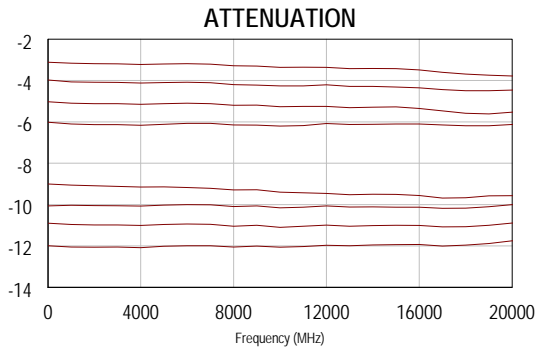
SHEET 3 OF 4
Dwg 1015775

EN 16-1189
Revision -



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005

7.0 TYPICAL PERFORMANCE AT 25°C



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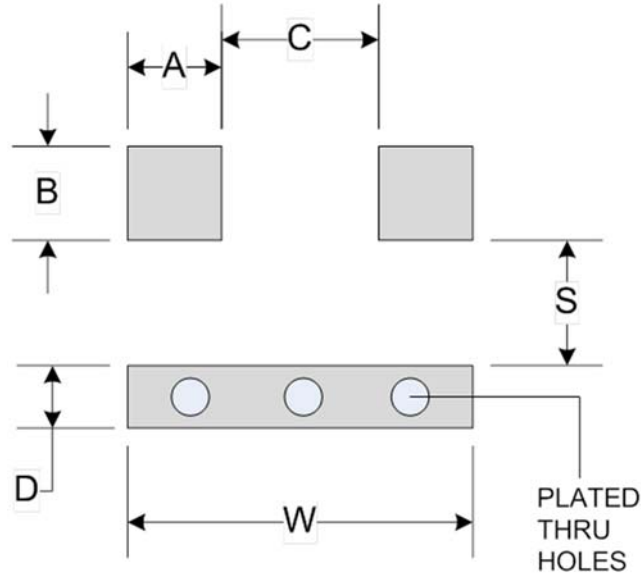
PART SERIES: TS06XXF- DKIT

SHEET 4 OF 4
Dwg 1015775

EN 16-1189
Revision -

8.0 RECOMMENDED PCB LAYOUT

SUGGESTED MOUNTING



Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
TS06xxF	0.018	0.018	0.033	0.020	0.016	0.068	0.46	0.46	0.84	0.51	0.41	1.73