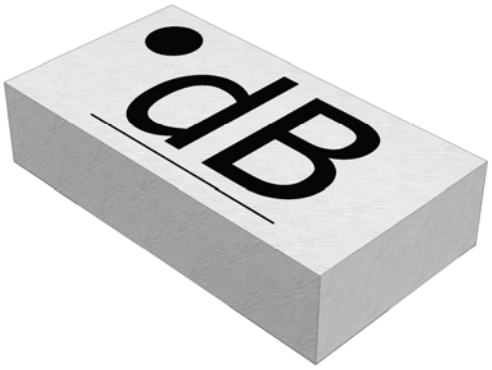
ATTENUATOR
TS06XXF SMT 200 mW

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

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 µs 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

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

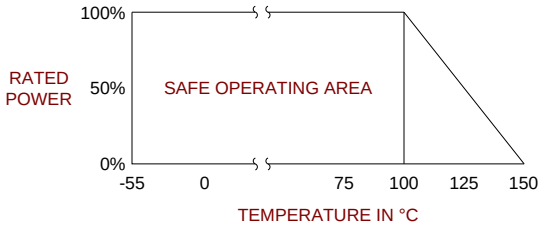
Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.
Visual and Mechanical Examination for Conformance to Outline Drawing
Measure DC Resistance and RF
Data Retention – Standard

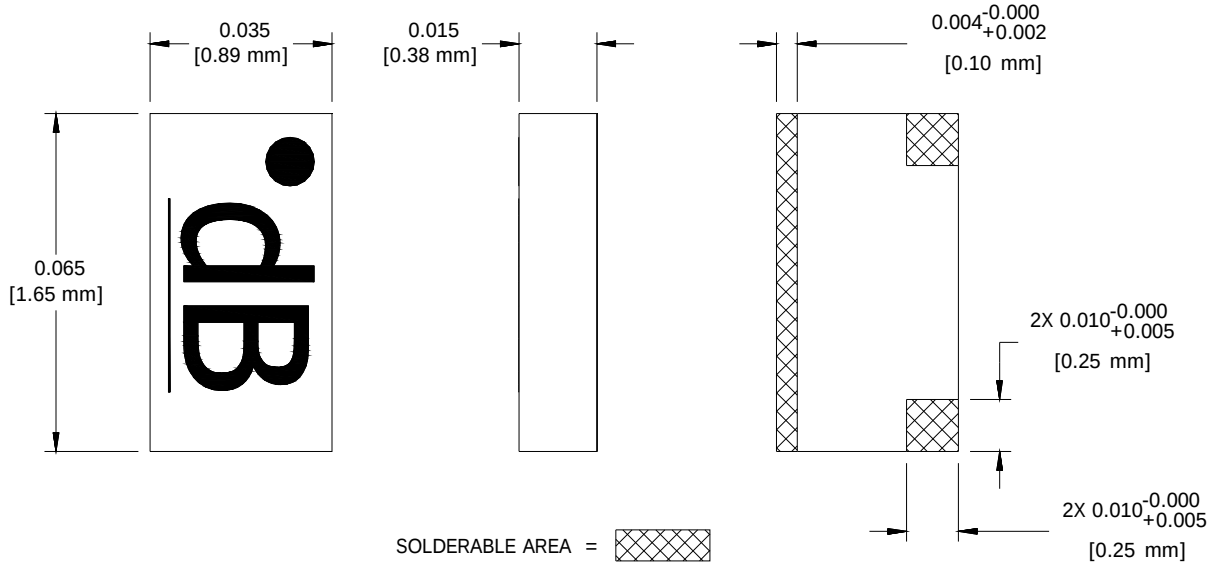
5.0 PACKAGING

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





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