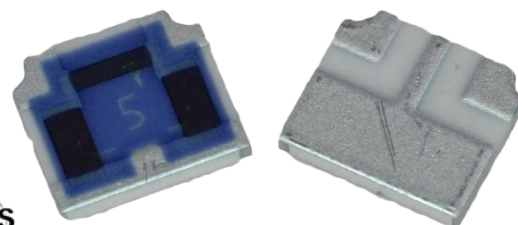




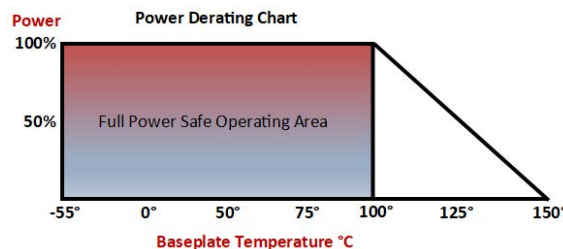
DC - 6.0 GHz. Model: SMTA-200/175-XX



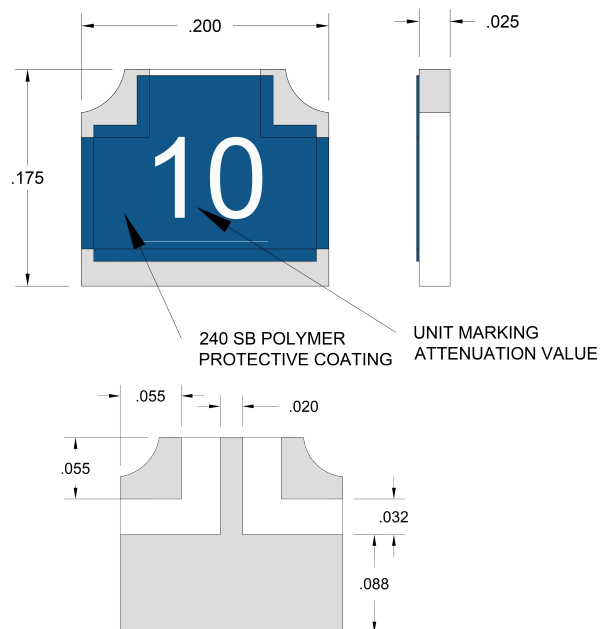
HYBR-FILM SMTA Series attenuators are the highest performing RF & Microwave resistive film products on the market today. Designed to be soldered to a printed circuit board, offer excellent frequency stability and reliability. Power rating of 20 watts average power combined with versatile **HYBR-FILM** technology allow for easy design-in solutions or replacing older outdated marginal devices that may have degraded or drifted over time. Applications

include Medical, Broadcast, Industrial, Commercial Wireless, Military and Space. The **P3** library of designs allows for modifications of standard de-signs to be made quickly and inexpensively to meet specific requirements with short delivery times and low MOQ's. These attenuator chip are also available using BeO or AlN ceramics. Please contact the factory for any special require-ments or frequency ranges.

Electrical Performance		Mechanical Specification	
Frequency:	DC - 6.0 GHz.	Resistor Film:	Hybrid Blended Thick Film
Attenuation Value:	See Chart	Chip Material:	BeO or A
Power:	20 Watts CW	Conductor Metal:	Platinum/Silver
VSWR Max:	See Chart	Altitude:	50,000 Feet
Power Rating:	100% @ +100°C	Vibration:	MIL-STD-202, Method 204, Cond. D
Operating Temp.:	-55°C to +150°C	Shock:	MIL-STD-202, Method 213, Cond. I



ATTENUATION ACCURACY			
dB	FREQUENCY	ACCURACY	VSWR
1 -10	DC- 2 GHz	±0.4 dB	1.15
	2-4 GHz	± 0.7 dB	1.25
	4-6 GHz	± 0.9 dB	1.40
15 & 20 dB	DC-3 GHz	± 0.5 dB	1.25
	4-6 GHz	±1.0 dB	1.50



PART NUMBERING

SMTA-200/175-XX-X



XX= Attenuation Values 1 - 10 dB (1 dB Steps) 15 & 20 dB

SPECIFICATIONS:

Nominal Impedance: 50Ω
 Operating frequency: DC-6.0 GHz
 Attenuation Vales (dB): 1-10 in 1 dB Steps
 15 & 20 dB
 Input Power CW: 20 Watts CW @ 100°C
 Derated To 0 watts @ 150°C
 Peak Power: 150 Watts, 10µs Pulse, 1%

ENVIRONMENTAL:

Operating Temperature: -55°C to +150°C
 Storage Temperature: -65°C to +150°C
 Altitude Operating/Non-Operating: Sea Level to 50,000 feet
 Vibration: MIL-STD-202, METHOD 204, CONF. D.
 Shock: MIL-STD-202, METHOD 213, COND. I.
 Moisture Resistance: MIL-STD-202, METHOD 106

MECHANICAL:

Substrate Material: 99% BeO
 Resistor Material: Blended Thick-Film
 Terminal Material: Thick-Film Platinum/Silver
 Wormanship Standards: MIL-PRF-55342
 Marking: dB Value, Permanent, MIL-STD-130
 Packaging: Bulk, Waffel-Pak, Tape & Reel