



Eyal Microwave Ltd.

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20 dB LIMITER ATTENUATOR

MODEL: LIMA-1969-00

SPECIFICATION:

Frequency Range		<u>14.65÷15.35</u>	<u>GHz</u>	
Peak Power	min	<u>250</u>	<u>watt</u>	TTL="0"; PW=40uS; DuC=10%
Ave. Power	min	<u>25</u>	<u>watt</u>	TTL="0"; PW=40uS; DuC=10%
Recovery Time	min	<u>50</u>	<u>nSec</u>	
Insertion Loss	max	<u>2.5</u>	<u>dB</u>	TTL=0 ; Pin= -10dBm
Return Loss	min	<u>15</u>	<u>dB</u>	TTL=0 ; Pin= -10dBm
RF Attenuation		<u>20</u>	<u>dB</u>	TTL=1 ; Pin= -10dBm
Attenuation Flatness	max	<u>±1</u>	<u>dB</u>	@20dB; 25°C;TTL=1
Attenuation Accuracy	max	<u>±1</u>	<u>dB</u>	@20dB; 25°C;TTL=1
Limiting Threshold	min	<u>+7</u>	<u>dBm</u>	TTL=0
Flat Leakage	max	<u>50</u>	<u>mW</u>	0÷250 Watt
Switching Speed	max	<u>90</u>	<u>nSec</u>	50%TTL to 10&90% RF
Control		<u>1BIT</u>	<u>TTL</u>	"0"=0dB ; "1"=20dB
Phase Match	ALL Unit	<u>15°</u>	<u>Deg</u>	Pin= -10dBm ; Attn= 0÷20
Phase Tracking		<u>10°</u>	<u>Deg</u>	Pin= -10dBm ; Attn= 0÷20
Power Supply	max	<u>+5v ; -15v</u>		150 mA
Operating Temp.		<u>-54° to +95°</u>	<u>C</u>	
Storage Temp.		<u>-65° to +125°</u>	<u>C</u>	

1. **Package:** as per outline draw DC-11
2. **Screening:** as per method 5008 MIL-STD-883 C
3. **Environmental:**
 - **Humidity:** as per MIL-STD-202F,Method 103B cond.B
 - **Shock:** as per MIL-STD-202F,Method 213B cond.C
 - **Altitude:** as per MIL-STD-202F,Method 105C cond.C
 - **Vibration:** as per MIL-STD-202F,Method 204D cond.G
 - **Thermal Shock:** . . . as per MIL-STD-202F,Method 107D cond.A
 - **Salt Spray:** as per MIL-STD-202F,Method 101D cond.B
 - **Seal:** as per MIL-STD-202F,Method 112C cond.C