

Equalizer

EF2A51A Series Now under development



These equalizers maintain high speed data (2.5Gb/s~12.5Gb/s) attenuation level at -3dB, -6dB, -9dB, -12dB up to 10GHz.

Applications

High speed communication cable, optical module, test and measurement equipment etc.

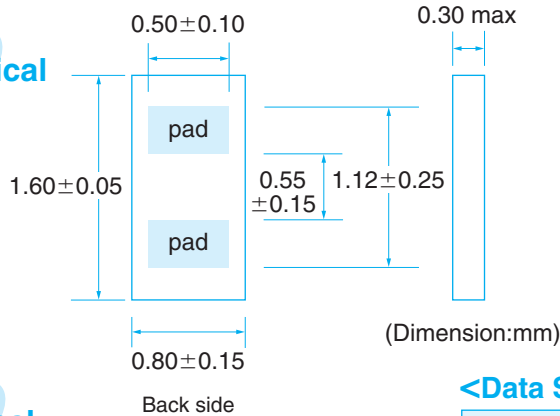
RoHS compliant

Completely lead free



SPECIFICATIONS

Mechanical



Equivalent circuit



Electrical

Type	EF2A51A
Attenuation (at 50MHz)	-3, -6, -9, -12dB (± 1 dB)
Band	~10GHz (-1dB max)
Impedance	50 Ω
Rated current (A)	100m
Operating temperature	-40 ~ 85°C

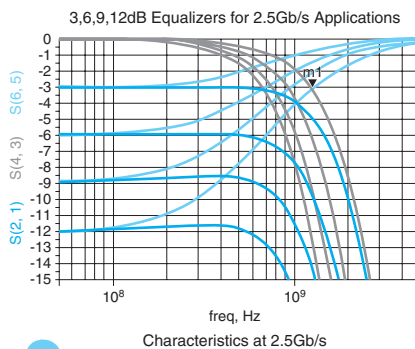
<Data Speed and Attenuation>

Data speed	Attenuation (dB)		
	E = 3	K = 6	Q = 9
025=2.5 Gb/s	EF2A51A025E10B	EF2A51A025K10B	EF2A51A025Q10B
031=3.125 Gb/s	EF2A51A031E10B	EF2A51A031K10B	EF2A51A031Q10B
050=5.0 Gb/s	EF2A51A050E10B	EF2A51A050K10B	EF2A51A050Q10B
063=6.25 Gb/s	EF2A51A063E10B	EF2A51A063K10B	EF2A51A063Q10B
100=10.0 Gb/s	EF2A51A100E10B	EF2A51A100K10B	—
125=12.5 Gb/s	EF2A51A125E10B	—	—

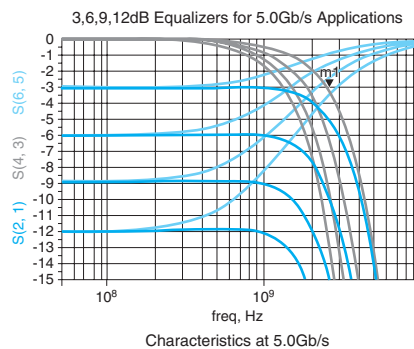
Details of specifications may be discussed for specific application



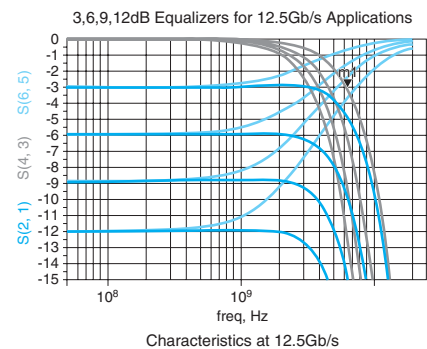
Examples of characteristics



Characteristics at 2.5Gb/s



Characteristics at 5.0Gb/s



Characteristics at 12.5Gb/s



PART NUMBER

EF2	A	5	1A	050	E	**	B	
								B=Bessel Loss Function
								Ripple characteristics (10=1dB of Max Ripple)
								Attenuation at 50MHz (E=-3dB, K=-6dB, Q=-9dB, T=-12dB)
								data speed (031=3.125Gb/s, 063=6.25Gb/s, 125=12.5Gb/s)
								Dimensions (1A=1608 package)
								Impedance (5=50 Ω)
								Circuit (A=RC shunt)
								Part Code