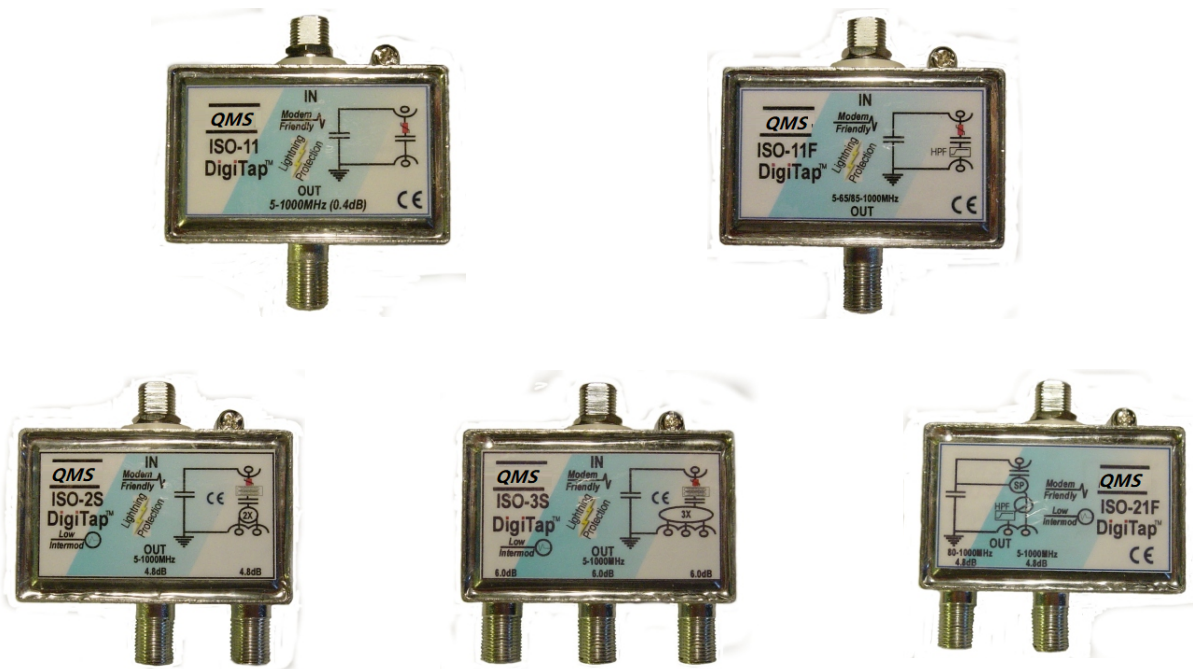


Special Isolators

ECO 1-way, 2-way & 3-way



ECO new family of isolators are ideally suited for the maximum protection of the home/business networks. These products meet or exceed Cenelec/IEC requirements (RFI/EMC & galvanic isolation).

Features:

- Bandwidth 5MHz to 1GHz
- RFI Shielding >->65dB
- Micro-strip designed PCB for consistency of specifications and superior total bandwidth characteristics
- Premium ferrites, resistors and capacitors
- Laminated ID label that will not fade
- Zinc housing that is chromated and plated for maximum corrosion resistance
- Precision machined "F" ports that are SCTE & EN compliant
- Easily mountable in a compliant box
- Each unit is individually packaged
- 100% quality control at our factory
- Integrated heavy duty grounding screw
- New 360 degree contacts that offers excellent contact between coax and F61 also has an excellent wiping action
- Concave solder back design assures 100% sealing of back plate to the housing and prevents pinholes
- Excellent insertion, splitter, isolation (port/port) & return loss (input/output)
- Excellent inter-modulation spec
- Available in 1-way, 2-way, 3-way & units with High Pass Filter options
- Models available with lightning protection
- CE approved

Special Isolators

ECO 1-way, 2-way & 3-way

Special Isolators Parameter	Freq Range	Model ISO-11	Model ISO-11F	Model ISO-2S	Model ISO-3S	Model ISO-21F(HPF)	Model ISO-21F(5-1GHz)
Frequency Range	N/A	5-1000MHz	5-1000MHz	5-1000MHz	5-1000MHz	5-1000MHz	
Impedance	N/A	75 Ohm	75 Ohm	75 Ohm	75 Ohm	75 Ohm	
Insertion Loss (dB)	5-16MHz	0.5+/-0.5dB	N/A	4.6+/-0.5dB	5.5+/-0.5dB	N/A	4.5+/-0.5dB
	5-65MHz	----->	>50dB	N/A	N/A	>24dB	N/A
	16-40MHz	0.25 +/-0.3dB	N/A	4.2+/-0.5dB	5.4+/-0.5dB	N/A	4.8+/-0.5dB
	40-470MHz	0.35+/-0.3dB	N/A	4.2+/-0.5dB	5.6+/-0.5dB	N/A	4.8+/-0.5dB
	85-470MHz	----->	0.5+/-0.3dB	N/A	N/A	4.5+/-0.6dB	N/A
	470-862MHz	0.4+/-0.3dB	0.5+/-0.3dB	4.8+/-0.6dB	6.1+/-0.5dB	4.8+/-0.6dB	4.9+/-0.5dB
	862-1000MHz	0.5+/-0.3dB	0.5+/-0.3dB	5.1 +/-0.6dB	6.5+/-0.5dB	5.1+/-0.6dB	5.1+/-0.5dB
Return Loss (Input) (dB)	5-85MHz	>18dB	>18dB	>16dB	>16dB	>16	>16
	85-862MHz	>20dB	>18dB	>18dB	>18dB	>18	>18
	862-1000MHz	>15dB	>15dB	>15dB	>15dB	>15	>15
Return Loss (Output) (dB)	5-85MHz	>18dB	>18dB	>16	>16	N/A	>16
	85-862MHz	>20dB	>18dB	>18	>18	>18dB	>18
	862-1000MHz	>15dB	>15dB	>15	>15	>14dB	>15
Isolation Output/Output (dB)	5-65MHz	N/A	N/A	>22	>21	>45dB	
	65-862MHz	N/A	N/A	>22	>21	>22dB	
	862-1000MHz	N/A	N/A	>22	>21	>18dB	
Electromagnetic Isolation (dB)	5-30MHz	>75dB	>75dB	>75dB	>75dB	>75dB	
	30-470MHz	>75dB	>75dB	>75dB	>75dB	>75dB	
	470-1000MHz	>65dB	>65dB	>65dB	>65dB	>65dB	
Galvanic Isolation*		2.1KV	2.1KV	2.1KV	2.1KV	2.1KV	

Typical Plots

