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50 Mil Apr-07



ITT

Electronic Components

Cannon 50 Ohm Military and Aerospace RF Connectors








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Cannon Military and Aerospace RF Connectors ... when performance and reliability matters

ITT is a leading supplier of Cannon RF connectors and cable assemblies built in accordance with Mil-PRF39012 specifications.

Many of these product lines are now installed in major military programs around the world. The nature of these RF connectors demand the ultimate in quality controlled production which is present at all the ITT manufacturing sites.

						
Series	SMA Precision	SMB	SMC	SSMB	SSMC	Coaxial Terminators
Description	Coaxial connector for rugged environments	Rapid connect /disconnect coaxial connectors	Vibration resistant coaxial connectors	Microminiature rapid connect / disconnect coaxial connectors	Microminiature rapid connect / disconnect coaxial connectors	Provide permanent coaxial connections to printed circuit boards
Frequency	DC - 18 GHz	DC - 4 GHz	DC - 12.4 GHz	DC - 4 GHz	DC - 4 GHz	DC - 4 GHz
Impedance	50Ω	50Ω	50Ω	50Ω	50Ω	N/A
Cable Type	Flexible/ semi-rigid	Flexible	Flexible	Flexible	Flexible	Flexible
Coupling	Screw	Snap-on	Screw	Snap-on	Screw	N/A
Body Material	Stainless steel or beryllium copper	Brass	Brass	Brass	Brass	Copper alloy
Body Finish	Gold or passivated	Gold or nickel	Gold or nickel	Gold or nickel	Gold or nickel	Electroplated tin

					
Series	Between Series Adaptor	SEALFLEX 2™	SMS, SIS, SSIS	N and TNC	RF Cable Assemblies
Description	High efficiency transitions between various coaxial connector series	High performance flexible microwave cable assemblies	High performance board to board, panel and cable assemblies	Coaxial connector for rugged environments	High performance flexible and semi-rigid
Frequency	DC - 18 GHz	DC - 18 GHz	DC - 18 GHz	DC - 18 GHz	DC - 18 GHz
Impedance	50Ω	50Ω	50Ω	50Ω	N/A
Cable Type	N/A	Flexible	Flexible / Semi-rigid	Flexible / Semi-rigid	Flexible / Semi-rigid
Coupling	Various	Screw	Slide-on	Screw	Various
Body Material	Stainless steel or brass	Stainless steel (connectors)	Stainless steel	Stainless Steel	Brass, Stainless Steel
Body Finish	Gold or passivated	Passivated (connectors)	Gold or passivated	Passivated	Gold/Passivated

<i>APPLICATIONS</i>	<i>PRODUCTS</i>				
Fighter Jet	SMA	BNC	Semi Rigid Cables	N Series	SIS
Communication Equipment	SSMB	SMA	BNC	Mini RF	Sealflex
Satellites / Radar Systems	SMA	SSMA	TNC	SIS	N Series
Missiles	SMA	Sealflex	Semi Rigid Cables	SIS	SSMA
Launch Vehicles	SMA	SMC	Flex cables	Semi Rigid Cables	TNC
Surveillance	SMB	SSMB	SSMC	SMA	Mini RF
Transport Units (Ground)	SMA	SSMB	Flex cables	TNC	BNC
Surface Ships and Submarines	LM SMB/C	LM SMA	Sealflex	N Series	TNC

