



High-Frequency Radiation Ring

HFRR Series

■ NECA TR-28

— Features —

- > High adaptability to high-amplitude pulse signals
- > Fast rising edge, wide pulse width range and abundant frequency spectrum of pulsed radiation field

— Introduction —

The HFRR series high-frequency radiation rings complies with NECA TR-28 standard. Matched with high-frequency noise simulators, they are applied to radiation susceptibility tests of various EUTs.

— Application Areas —



Technical Parameters

Model	Max. Input Pulse Voltage	Input Pulse Width	Ring Diameter (mm)	Cable Type	Cable Length (mm)	Connector Type	Weight (kg)
HFRR 50	$\pm 4,000$ V	50 ns ~ 1 μ s	50	RG-58	2,000	BNC (HBNC-GP-55U)	0.20
HFRR 75	$\pm 4,000$ V	50 ns ~ 1 μ s	75	RG-58	2,000	BNC (HBNC-GP-55U)	0.20
HFRR 100	$\pm 4,000$ V	50 ns ~ 1 μ s	100	RG-58	2,000	BNC (HBNC-GP-55U)	0.40
HFRR 150	$\pm 4,000$ V	50 ns ~ 1 μ s	150	RG-58	2,000	BNC (HBNC-GP-55U)	0.48
HFRR 200	$\pm 4,000$ V	50 ns ~ 1 μ s	200	RG-58	2,000	BNC (HBNC-GP-55U)	0.60
HFRR 250	$\pm 4,000$ V	50 ns ~ 1 μ s	250	RG-58	2,000	BNC (HBNC-GP-55U)	0.66
HFRR 300	$\pm 4,000$ V	50 ns ~ 1 μ s	300	RG-58	2,000	BNC (HBNC-GP-55U)	0.73

Optional Accessories

1	High-Frequency Noise Simulator	Model: INS 400 The INS 400 high-frequency noise simulator simulates interference generated by rapid current switching of inductive components, typically caused by relay on-off actions. Output voltage: 0.1 kV ~ 2 kV Pulse width: 50 ns ~ 1 μs	
2	High-Frequency Noise Simulator	Model: INS 800 The INS 800 high-frequency noise simulator simulates interference generated by rapid current switching of inductive components, typically caused by relay on-off actions. Output voltage: 0.2 kV ~ 4 kV Pulse width: 50 ns ~ 1 μs	

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