



**Probing Solutions.
Made in Germany.**

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PKT SERIES

High Impedance Passive Cable Divider

Datasheet



Specifications

	PKT 512A / 512A-RO.	PKT 512AS / 512AS-RO	PKT 520A / 520A-RO	PKT 520AS / 520AS-RO	PKT 530A / 530A-RO	PKT 530AS / 530AS-RO	PKT 920A / 920A-RO	PKT 920AS / 920AS-RO	PKT 930A / 930A-RO	PKT 930AS / 930AS-RO
Order number without Read-Out	858-512-A00	858-512-AS0	858-520-A00	858-520-AS0	858-530-A00	858-530-AS0	858-920-A00	858-920-AS0	858-930-A00	858-930-AS0
Order number with Read-Out	858-512-A01	858-512-AS1	858-520-A01	858-520-AS1	858-530-A01	858-530-AS1	858-920-A02	858-920-AS1	858-930-A02	858-930-AS1

Electrical Specifications

Attenuation Ratio ($\pm 2\%$ at DC) (1)	10:1	10:1	10:1	10:1	10:1	10:1	100:1	100:1	100:1	100:1
System Bandwidth (-3dB)	500MHz	500MHz	400MHz	400MHz	280MHz	280MHz	350MHz	350MHz	300MHz	300MHz
Rise time (10% - 90%)	0.7ns	0.9ns	0.9ns	1.25ns	1.25ns	1.25ns	1ns	1ns	1.2ns	1.2ns
Voltage Coefficient (at DC)	0.00025%/V	0.00025%/V	0.00025%/V	0.00025%/V	0.00025%/V	0.00025%/V	0.00025%/V	0.00025%/V	0.00025%/V	0.00025%/V
Input Resistance (System) ($\pm 1\%$)	10M Ω	10M Ω	10M Ω	10M Ω	10M Ω	10M Ω	50M Ω	50M Ω	50M Ω	50M Ω
Input Capacitance (System)	10pF	9.5pF	9.5pF	9.5pF	16pF	16pF	6pF	6pF	6pF	6pF
Compensation Range	10pF - 25pF	10pF - 25pF	10pF - 25pF	10pF - 25pF	10pF - 25pF	10pF - 25pF	10pF - 25pF	10pF - 25pF	10pF - 25pF	10pF - 25pF
Input Coupling of the Measuring Instrument	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC	1M Ω AC/DC

Maximum Rated Input Voltages, CAT II (2)

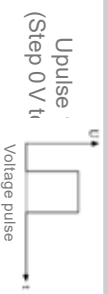
Pollution Degree	2	2	2	2	2	2	2	2	2	2
Measurement Category II	300V CAT II	300V CAT II	300V CAT II	300V CAT II	300V CAT II	300V CAT II	300V CAT II	300V CAT II	300V CAT II	300V CAT II

Maximum Rated Input Voltages, No Measurement Category, not in CAT II, III, IV (2)

Pollution Degree	2	2	2	2	2	2	2	2	2	2
No Measurement Category	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak	400V / 1650V peak

Maximum Pulse Rating, No Measurement Category, not in CAT II, III, IV (2)

Upulse(3)										
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Mechanical Specifications

Weight (Probe only)	58g	58g	70g	70g	95g	95g	75g	75g	95g	95g
Cable Length	1.2m	1.2m	2m	2m	3m	3m	2m	2m	3m	3m
Connection to Signal	BNC	BNC	BNC	BNC	BNC	BNC	BNC	BNC	BNC	BNC
Additional silicon insulation of probe cable (see on page 19)		•		•		•		•		•

Environmental Specifications

Altitude	operating non-operating	up to 2000m up to 15000m
Temperature Range	operating non-operating	0 °C to +50 °C -40 °C to +71 °C
Maximum Relative Humidity	operating non-operating	80% relative humidity for temperatures up to +31 °C, decreasing linearly to 40% at +50 °C 95% relative humidity for temperatures up to +40 °C

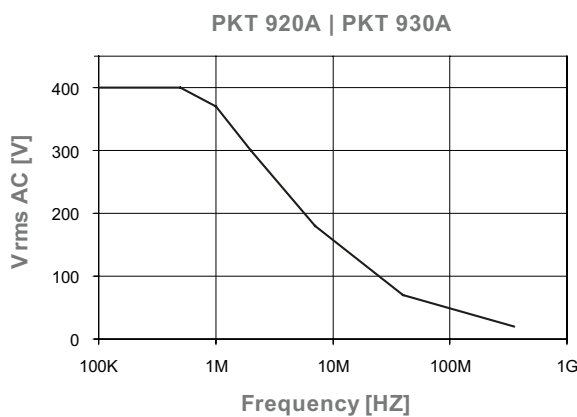
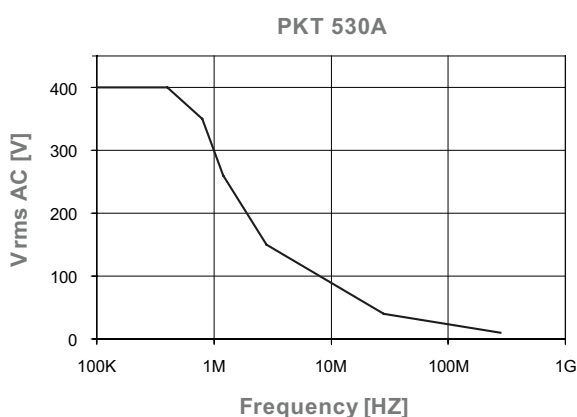
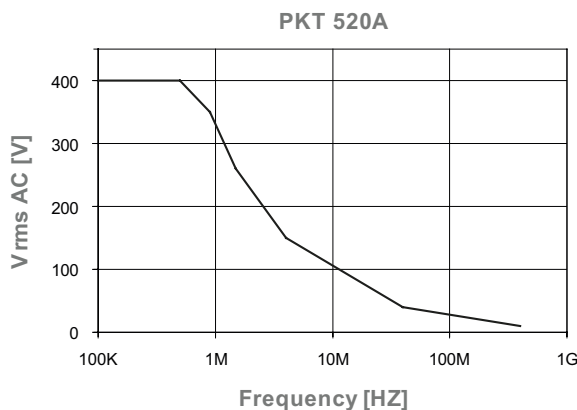
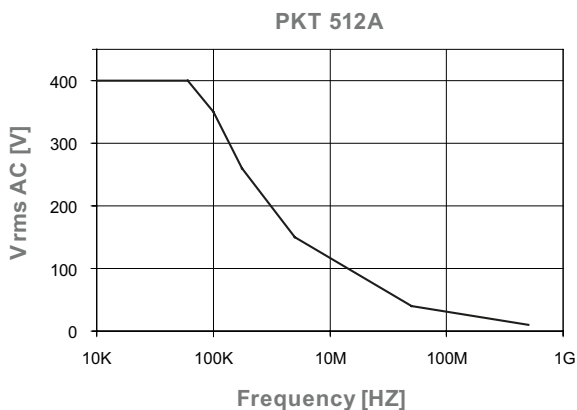
This product comes with 2 years warranty. Specifications that are not marked as guaranteed are typical.
 (1) Connected to oscilloscope with an input impedance of 1 M Ω \pm 1%.
 (2) As defined in IEC 61010-031.
 (3) No overshoot permitted.

Typical Voltage Derating



Note that the maximum input voltage rating of the probe decreases as the frequency of the applied signal increases.

Note that this cable divider is intended to be used for small signal applications only. It is not intended to be used in CAT II, III, IV measurement environments. See explanations of IEC measurement categories in PKT series manual. (*)

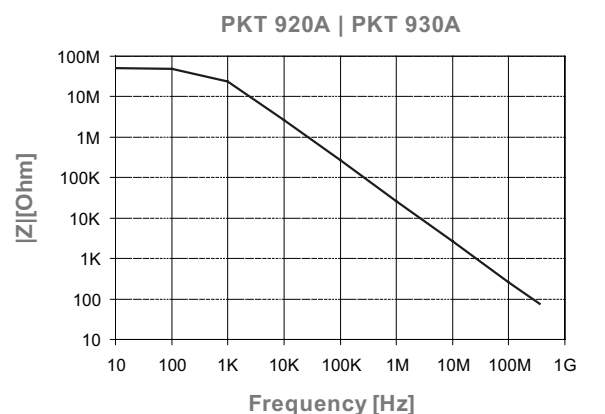
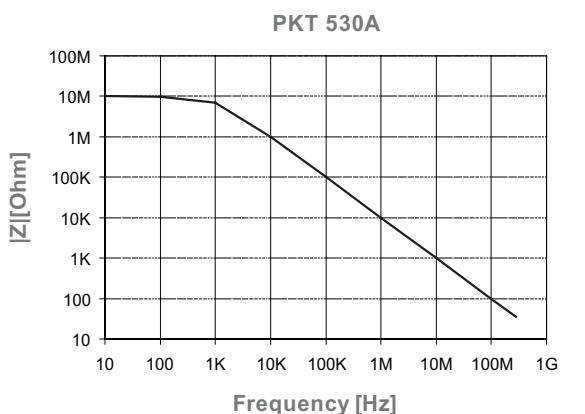
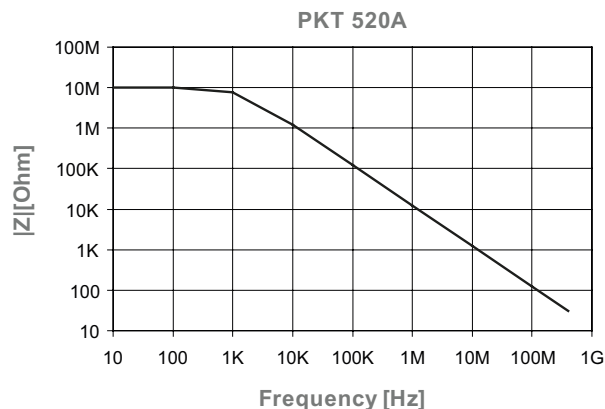
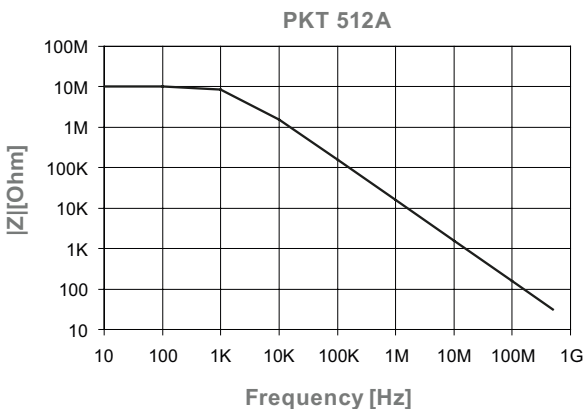


Typical Input Impedance



Note that the input impedance of the probe decreases as the frequency of the applied signal increases.

Note that this cable divider is intended to be used for small signal applications only. It is not intended to be used in CAT II, III, IV measurement environments. See explanations of IEC measurement categories in PKT series manual. (*)



Cable Divider Accessories



Scope of Delivery

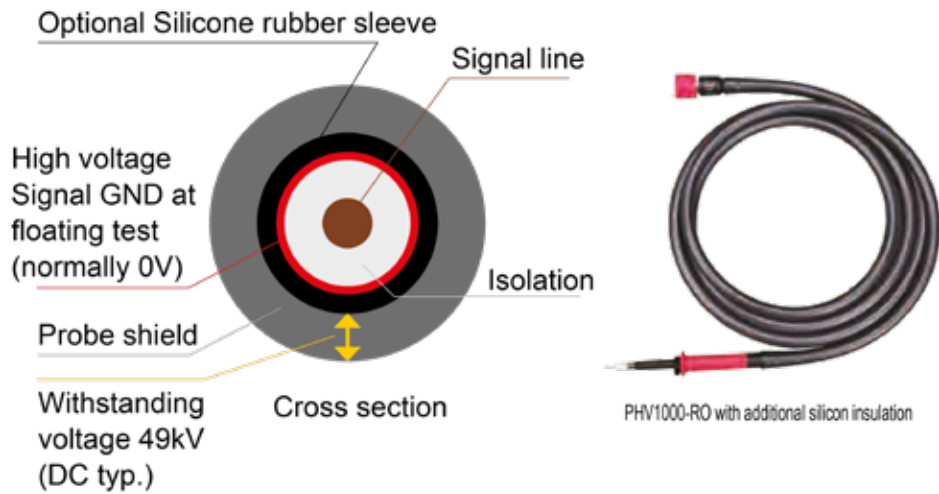


The accessories provided with the cable divider have been safety tested. Do not use any other accessories than those "originally" provided.

Item	Qty
Adjustment Tool T	1
Cable Divider	1
Set Coding Rings 3 x 4 Colors	1
Instruction Manual	1

Options

Additional silicon insulation of probe cable



Manufacturer

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