深圳市国测电子有限公司

EMC电磁兼容&EMF电磁环境服务商

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典型转换公式

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 $dB\mu V$ to $dB\mu A$

 $dB\mu A = dB\mu V - 34$ $dB\mu A = dB\mu V - 20log(Z)$

 (50Ω)

福田和田家家府

电压		场强和功率密度	
dBμV to Volts	$V = 10^{((dB\mu V - 120)/20)}$	dBμV/m to V/m	$V/m = 10 \frac{(((dB\mu V/m) - 120) / 20)}{}$
Volts to $dB\mu V$	$dB\mu V = 20 \log(V) + 120$	V/m to $dB\mu V/m$	$dB\mu V/m = 20 \log(V/m) + 120$
dBV to Volts	$V = 10^{(dBV/20)}$	$dB\mu V/m$ to $dBmW/m^2$	$dBmW/m^2 = dB\mu V/m - 115.8$
Volts to dBV	dBV = 20log(V)	dBmW/m 2 to dB μ V/m	$dB\mu V/m = dBmW/m^2 + 115.8$
dBV to dB μ V	$dB\mu V = dBV + 120$	$dB\mu V/m$ to $dB\mu A/m$	$dB\mu A/m = dB\mu V/m - 51.5$
$dB\mu V$ to dBV	$dBV = dB\mu V - 120$	$dB\mu A/m$ to $dB\mu V/m$	$dB\mu V/m = dB\mu A + 51.5$
电流		dBμA/m to dBpT	DBpT = $dB\mu A/m + 2$
dBμA to uA	$\mu A = 10^{(dB\mu A/20)}$	dBpT to dBμA/m	$dB\mu A/m = dBpT - 2$
μΑ to dBμΑ	$dB\mu A = 20 \log(\mu A)$	W/m² to V/m	$V/m = SQRT(W/m^2 * 377)$
dBA to A	$A = 10^{(dBA/20)}$	V/m to W/m ²	$W/m^2 = (V/m)^2 / 377$
A to dBA	dBA = 20log(A)	μT to A/m	$A/m = \mu T / 1.25$
dBA to dBμA	$dB\mu A = dBA + 120$	A/m to μT	μT = 1.25 * A/m
$dB\mu A \ to \ dBA$	$dBA = dB\mu A - 120$	电场天线	
功率	<u> </u>	Correction Factor	$dB\mu V/m = dB\mu V + AF$
dBm to Watts	$W = 10^{((dBm - 30)/10)}$	Field Strength	V/m = $\sqrt{\frac{30 * \text{watts * Gain}_{\text{numeric}}}{30 * \text{watts * Gain}_{\text{numeric}}}}$
Watts to dBm	dBm = 10log(W) + 30	Required Power	meters Watts = (V/m * meters) ² 30 * Gain _{numeric}
dBW to Watts	$W = 10^{(dBW / 10)}$		Hameno
Watts to dBW	dBW = 10log(W)	环形天线	
dBW to dBm	dBm = dBW + 30	Correction Factors	$dB\mu A/m = dB\mu V + AF$
dBm to dBW	dBW = dBm - 30	Assumed E-field for shielded loops	$dB\mu V/m = dB\mu A/m + 51.5$
单位转	長 换	·	$dBpT = dB\mu V + dBpT/\mu V$
dBm to dBμV	$dB\mu V = dBm + 107$ (50 Ω) $dB\mu V = dBm + 10log(Z) + 90$	电流探头	
$dB\mu V$ to dBm	dBm = dB μ V – 107 (50 Ω) dBm = dB μ V – 10log(Z) – 90	Correction Factor	$dB\mu A = dB\mu V - dB_{(ohm)}$
dBm to dBμA	$dB\mu A = dBm + 73$ (50Ω) $dB\mu A = dBm - 10log(Z) + 90$	Power needed for injection probe given voltage(V) into 50Ω load and Probe Insertion Loss (I_)	
dBμA to dBm	$dBm = dB\mu A - 73$ (50Ω) $dBm = dB\mu A + 10log(Z) - 90$		$_{\text{Watts = 10}} ((I_L + 10log(V^2/50))/10)$
dBμA to dBμV	$dB\mu V = dB\mu A + 34$ (50 Ω) $dB\mu V = dB\mu A + 20log(Z)$		