DESIGN KIT
WE-MCI Multilayer Ceramic SMD Inductor – 0603 – ±0.3 nH / 5 % Tol.



784 7805 100		784 7805 220		784 7805 390		784 7805 470		784 7805 560		784 7805 680	
L:	1 nH @ 100 MHz	L:	2.2 nH @ 100 MHz	L:	3.9 nH @ 100 MHz	L:	4.7 nH @ 100 MHz	L:	5.6 nH @ 100 MHz	L:	6.8 nH @ 100 MHz
L Tol.:	±0.3 nH	L Tol.:	±0.3 nH	L Tol.:	±0.3 nH	L Tol.:	±0.3 nH	L Tol.:	±0.3 nH	L Tol.:	±5 nH
$Q_{min.}$:	8 @ 100 MHz	$Q_{min.}$:	8 @ 100 MHz	$Q_{min.}$:	10 @ 100 MHz	$Q_{min.}$:	10 @ 100 MHz	$Q_{min.}$:	10 @ 100 MHz	$Q_{min.}$:	10 @ 100 MHz
$SRF_{min.}$:	10000 MHz	$SRF_{min.}$:	6000 MHz	$SRF_{min.}$:	6000 MHz	$SRF_{min.}$:	4000 MHz	$SRF_{min.}$:	4000 MHz	$SRF_{min.}$:	4000 MHz

784 7805 820		784 7806 100		784 7806 120		784 7806 150		784 7806 180		784 7806 220	
L:	8.2 nH @ 100 MHz	L:	10 nH @ 100 MHz	L:	12 nH @ 100 MHz	L:	15 nH @ 100 MHz	L:	18 nH @ 100 MHz	L:	22 nH @ 100 MHz
L Tol.:	±5 nH	L Tol.:	±5 nH	L Tol.:	±5 nH	L Tol.:	±5 nH	L Tol.:	±5 %	L Tol.:	±5 %
$Q_{min.}$:	10 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz
$SRF_{min.}$:	3500 MHz	$SRF_{min.}$:	3400 MHz	$SRF_{min.}$:	2600 MHz	$SRF_{min.}$:	2300 MHz	$SRF_{min.}$:	2000 MHz	$SRF_{min.}$:	1600 MHz

784 7806 270		784 7806 330		784 7806 390		784 7806 470		784 7806 560		784 7806 680	
L:	27 nH @ 100 MHz	L:	33 nH @ 100 MHz	L:	39 nH @ 100 MHz	L:	47 nH @ 100 MHz	L:	56 nH @ 100 MHz	L:	68 nH @ 100 MHz
L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %
$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz
$SRF_{min.}$:	1400 MHz	$SRF_{min.}$:	1200 MHz	$SRF_{min.}$:	1100 MHz	$SRF_{min.}$:	900 MHz	$SRF_{min.}$:	900 MHz	$SRF_{min.}$:	700 MHz

784 7806 820		784 7806 101		784 7806 121		784 7806 151		784 7806 181		784 7806 221	
L:	82 nH @ 100 MHz	L:	100 nH @ 100 MHz	L:	120 nH @ 50 MHz	L:	150 nH @ 50 MHz	L:	180 nH @ 50 MHz	L:	220 nH @ 50 MHz
L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %
$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	12 @ 100 MHz	$Q_{min.}$:	8 @ 50 MHz	$Q_{min.}$:	8 @ 50 MHz	$Q_{min.}$:	8 @ 50 MHz	$Q_{min.}$:	8 @ 50 MHz
$SRF_{min.}$:	600 MHz	$SRF_{min.}$:	600 MHz	$SRF_{min.}$:	500 MHz	$SRF_{min.}$:	500 MHz	$SRF_{min.}$:	400 MHz	$SRF_{min.}$:	400 MHz

784 7806 271		784 7806 331		784 7806 391		784 7806 471	
L:	270 nH @ 50 MHz	L:	330 nH @ 50 MHz	L:	390 nH @ 50 MHz	L:	470 nH @ 50 MHz
L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %	L Tol.:	±5 %
$Q_{min.}$:	8 @ 50 MHz	$Q_{min.}$:	8 @ 50 MHz	$Q_{min.}$:	8 @ 50 MHz	$Q_{min.}$:	8 @ 50 MHz
$SRF_{min.}$:	400 MHz	$SRF_{min.}$:	350 MHz	$SRF_{min.}$:	350 MHz	$SRF_{min.}$:	300 MHz

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

Please check datasheets on www.we-online.com for specifications.

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