

WALSIN TECHNOLOGY CORPORATION

Change Notification

CN No.: CN-R240202 Material Process
 Specification Others

Subject : Lead Free Power Low Ohm series E.O.L announcement.

Reasons :
Will stop offer Lead Free Power low ohm WW06P_R~WW25P_R series below 100 mΩ range, because the raw material Pd & Ag price impact, lead the product lost the market advantage.

Contents(Before/After):

- Chip-R thick film power low ohmic ,RoHS exemption free and Lead <100ppm, below 100mΩ products services will be discontinued with effect from 1st January 2025.

EOL Product P/N and Resistance range
 WW25P_R code, 0.040~ 0.091Ω
 WW20P_R code, 0.040~ 0.091Ω
 WW12P_R code, 0.047~ 0.091Ω
 WW08P_R code, 0.047~ 0.091Ω
 WW06P_R code, 0.047~ 0.091Ω

- The following quality characteristic comparison for new product for ordering conversion reference:
 - Electrical property: The electrical property of substitutions meets the specification or better than the specification of the original products.
 - Products visual appearance: No significant difference on application soldering even there are slightly alike on visual appearance and termination dimension.
 - Environmentally hazardous substance: The material composition of the substitutions meets RoHS specification and Pb exemption free.

WW25P_R code <R100 EOL:

Size	2512				
Description	Original	Description	Change		
Series	WW25P_R code	Series	WW25W	WW25W_JN, JL, JJ, JH	
Resistance	0.040Ω~0.976Ω	Resistance	0.010Ω~0.910Ω	0.010Ω~0.910Ω	
Tolerance (%)	5%/1%	Tolerance (%)	5%/1%	5%/1%	
TCR level	<R100 EOL	TCR level	TCR	TCR	PN#15 TCR code
0.100Ω~0.976Ω		0.500Ω~ 0.910Ω	100	100	N
		0.100Ω~ 0.490Ω			
0.047Ω~0.0976Ω	EOL	0.050Ω~ 0.091Ω	100	100	N
0.040Ω~0.043Ω	EOL	0.040Ω~ 0.047Ω	200	200	L
		0.022Ω~ 0.039Ω	600	600	J
		0.010Ω~ 0.020Ω	1000	1000	H
Power (Watt)	2W	Power (Watt)	1W	2W (PN#14 Power code: J)	
Part number example	WW25PR040FTR	Part number example	WW25WR040FTL	WW25WR040FTL JL	

WW20P_R code <R100 EOL:

Size		2010				
Description	Original		Description	Change		
Series	WW20P_R code		Series	WW20W	WW20W_HN, HL, HJ, HH	
Resistance	0.040Ω~0.976Ω		Resistance	0.010Ω~0.910Ω	0.010Ω~0.910Ω	
Tolerance (%)	5%/1%		Tolerance (%)	5%/1%	5%/1%	
TCR level	<R100 EOL	TCR	TCR level	TCR	TCR	PN#15 TCR code
0.100Ω~0.976Ω		100	0.500Ω~ 0.910Ω	100	100	N
			0.100Ω~ 0.490Ω			
0.047Ω~0.0976Ω	EOL	150	0.050Ω~ 0.091Ω	100	100	N
0.040Ω~0.043Ω	EOL	200	0.040Ω~ 0.047Ω	200	200	L
			0.022Ω~ 0.039Ω	600	600	J
			0.010Ω~ 0.020Ω	1000	1000	H
Power (Watt)	1W		Power (Watt)	3/4W	1W (PN#14 Power code: H)	
Part number example	WW20PR040FTR		Part number example	WW20WR040FTL	WW20WR040FTL HL	

WW12P_R code <R100 EOL:

Size		1206				
Description	Original		Description	Change		
Series	WW12P_R code		Series	WW12W	WW12W_GN, GL, GJ, GH	
Resistance	0.047Ω~0.976Ω		Resistance	0.010Ω~0.910Ω	0.010Ω~0.910Ω	
Tolerance (%)	5%/1%		Tolerance (%)	5%/1%	5%/1%	
TCR level	<R100 EOL	TCR	TCR level	TCR	TCR	PN#15 TCR code
0.100Ω~0.976Ω		100	0.500Ω~ 0.910Ω	100	100	N
			0.100Ω~ 0.490Ω			
0.047Ω~0.0976Ω	EOL	150	0.050Ω~ 0.091Ω	100	100	N
			0.040Ω~ 0.047Ω	200	200	L
			0.022Ω~ 0.039Ω	600	600	J
			0.010Ω~ 0.020Ω	1000	1000	H
Power (Watt)	1/2W		Power (Watt)	1/3W	3/4W (PN#14 Power code: G)	
Part number example	WW12PR047FTR		Part number example	WW12WR047FTL	WW12WR047FTL GL	

WW08P_R code <R100 EOL:

Size		0805				
Description	Original		Description	Change		
Series	WW08P_R code		Series	WW08W	WW08W_FN, FL, FK, FJ, FH	
Resistance	0.047Ω~0.976Ω		Resistance	0.010Ω~0.910Ω	0.010Ω~0.910Ω	
Tolerance (%)	5%/1%		Tolerance (%)	5%/1%	5%/1%	
TCR level	<R100 EOL	TCR	TCR level	TCR	TCR	PN#15 TCR code
0.100Ω~0.976Ω		150	0.500Ω~ 0.910Ω	100	100	N
			0.100Ω~ 0.490Ω			
0.047Ω~0.0976Ω	EOL	200	0.050Ω~ 0.091Ω	200	200	L
			0.040Ω~ 0.047Ω	400	400	K
			0.022Ω~ 0.039Ω	600	600	J
			0.010Ω~ 0.020Ω	1000	1000	H
Power (Watt)	1/3W		Power (Watt)	1/4W	1/2W (PN#14 Power code: F)	
Part number example	WW08PR047FTR		Part number example	WW08WR047FTL	WW08WR047FTL FK	

W06P_R code <R100 EOL:

Size	0603				
Description	Original		Description	Change	
Series	WW06P_R code		Series	WW06W	WW06W
Resistance	0.047Ω~0.976Ω		Resistance	0.050~0.0910Ω	0.050~0.0910Ω
Tolerance (%)	5%/1%		Tolerance (%)	5%/1%	5%/1%
TCR level	<R100 EOL	TCR	TCR level	TCR	TCR PN#15 TCR code
0.100Ω~0.976Ω		200	0.500Ω~ 0.910Ω 0.100Ω~ 0.490Ω	200	200 L
0.047Ω~0.0976Ω	EOL	250	0.050Ω~ 0.091Ω	400	400 K
Power (Watt)	1/4W		Power (Watt)	1/8W	1/4W (PN#14 Power code: D)
Part number example	WW06PR050FTR		Part number example	WW06WR050FTL	WW06WR050FTL DK

Description :

Quality assessment report:

No quality effect and the related test data are available on customers' request.

Effective Date: January 1, 2025

Prepared by : Richard Weng

Issued By: Eason Huang/Johnny Yang/YK Chen

To : Customer : All
cc : WTC Q&R : Jay Huang
 WTC Sales : All

Feedback by Customer :

- Accept for all PN Parts
- Accept for Own Brand PN of AVL, except OEM's PN of AVL
- Reject, Reason:

(Please note the name of person in charge and autograph signed back is preferred.)

(Please kindly feedback before 1st Aug. 2024 , otherwise the change will be effective since. 1st Jan. 2025)